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09/805233  
03/13/01

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 1 of 2	Atty. Docket No. 22010-164	Serial No. New
	Applicant Albert S. Feng	
	Filing Date New	Group Art Unit Unknown

U.S. PATENT DOCUMENTS							
*Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	Filing Date If appropriate	
M	4,611,598	09/16/86	Hortmann et al.	128/419 R			
M	4,703,506	10/27/87	Sakamoto et al.	381/92			
M	5,029,216	07/02/91	Jhabvala et al.	381/68.1			
M	5,400,409	03/21/95	Linhard	381/92			
M	5,473,701	12/05/95	Cezanne et al.	381/92			
M	4,025,721	05/24/77	Graupe et al.	179/1 P			
M	4,773,095	09/20/88	Zwicker et al.	381/68.1			
M	4,918,737	04/17/90	Luethi	381/68.4			
M	4,987,897	01/29/91	Funke	128/419PG			
M	5,289,544	02/22/94	Franklin	381/68.1			
M	5,325,436	06/28/94	Soli et al.	381/68			
M	5,417,113	05/23/95	Hartley	381/68.2			
M	5,479,522	12/26/95	Lindemann et al.	381/68.2			
M	5,495,534	02/27/96	Inanaga et al.	381/25			
M	5,511,128	04/23/96	Lindemann	381/92			
M	5,651,071	07/22/97	Lindemann et al.	381/68.2			
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M	5,734,976	03/31/98	Bartschi et al.	455/333			
M	5,755,748	05/26/98	Borza	607/61			
M	5,757,932	05/26/98	Lindemann et al.	381/68			
M	5,768,392	06/16/98	Graupe	381/94.3			
M	5,793,875	08/11/98	Lehr et al.	381/68.1			

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
Examiner				Date Considered		Yes No	
Mick Conner				03/02/04			

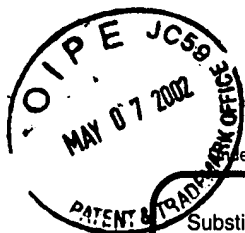
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<b>INFORMATION DISCLOSURE CITATION</b>  Sheet 2 of 2		Atty. Docket No. 22010-164	Serial No. New
		Applicant Albert S. Feng	
		Filing Date NEW	Group
<b>U.S. PATENT DOCUMENTS</b>			
*Examiner Initial	PUBLICATION		
<i>nu</i>	Otis Lamont Frost, III, " <u>An Algorithm for Linearly Constrained Adaptive Array Proceeding</u> ", Proceedings of the IEEE, Vol., 60, No. 8, Stanford University, Stanford, CA, August 1997.		
<i>nu</i>	D. Banks, " <u>Localisation and Separation of Simultaneous Voices With Two Microphones</u> ", IEE Proceedings, Vol. 140, No. 4, August 1994.		
<i>nu</i>	Markus Bodden, " <u>Modeling Human Sound-Source Localization and the Cocktail-Party-Effect</u> ", Acta Acustica 1, 43-55, 1993.		
<i>nu</i>	T.G. Zimmerman, " <u>Personal Area Networks: Near-field intrabody communication</u> ", IBM Systems Journal, Vol. 35, Nos. 3&4, 1996.		
<i>nu</i>	Nathaniel A. Whitman <sup>1</sup> , Janet C. Rutledge <sup>1</sup> , and Jonathan Cohen, <sup>2</sup> " <u>Reducing Correlated Noise in Digital Hearing Aids</u> ", IEEE Engineering in Medicine and Biology, September/October 1996.		
<i>nu</i>	M. Bodden, " <u>Auditory Demonstrations of a Cocktail-Party-Processor</u> ", Acta Acustica Vol. 82, 356-357, 1996.		
Examiner	Date Considered		
<i>Mark Lewis</i>	<i>03/02/04</i>		
<small>*Examiner: initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>			

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09/805233





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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/805,233
Filing Date	March 31, 2001
First Named Inventor	Albert S. Feng
Group Art Unit	2644
Examiner Name	Unknown
Attorney Docket Number	22010-164

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
M		4,559,642	12/17/1985	Miyaji et al.	
M		4,742,548	05/03/1988	Sessler et al.	
M		4,752,961	06/21/1988	Kohn	
M		5,040,156	08/13/1991	Föller	
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M		5,825,898	10/20/1998	Marash	
M		5,831,936	11/03/1998	Zlotnick et al.	
M		6,002,776	12/14/1999	Bhadkamkar et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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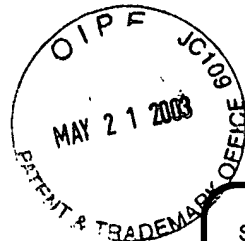
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				Application Number	09/805,233
				Filing Date	March 13, 2001
				First Named Inventor	FENG
				Group Art Unit	2644
				Examiner Name	
Sheet	1	of	4	Attorney Docket Number	22010-164

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AL		4,207,441	06-10-1980	Ricard et al.	
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AL		5,012,520	04-30-1991	Steeger	
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AL		5,113,859	05-19-1992	Funke	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
AL		WO 98/26629	06-18-1998			
AL		WO 98/56459	12-17-1998			
AL		WO 00/30404	05-25-2000			
AL		WO 01/06851	02-01-2001			
AL		WO 01/87011	11-15-2001			
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AL		DE 28 23 798	09-13-1979			

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		Number-Kind Code <sup>2</sup> (if known)			
PA		5,454,838	10-03-1995	Vallana et al.	
da		5,485,515	01-16-1996	Allen et al.	
da		5,507,781	04-16-1996	Kroll et al.	
da		5,550,923	08-27-1996	Hotvet	
da		5,663,727	09-02-1997	Vokac	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
PA		DE 33 22 108 A1	12-20-1984			
PA		EP O 824 889 A1	02-25-1998			

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App. for use through 10/31/2002. OMB 0651-0031

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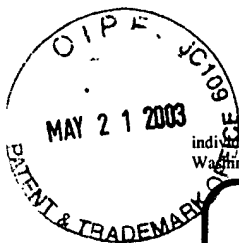
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<i>W</i>		6,167,312	12-26-2000	Goedeke	
<i>W</i>		6,173,062	01-09-2001	Dibachi et al.	
<i>W</i>		6,217,508	04-17-2001	Ball et al.	
<i>W</i>		6,222,927	04-24-2001	Feng et al.	
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<i>W</i>		6,261,224	07-17-2001	Adams et al.	
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<i>W</i>		6,283,915	09-04-2001	Aceti et al.	
<i>W</i>		6,307,945	10-23-2001	Hall	
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<i>W</i>		6,332,028	12-18-2001	Marash	
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<i>W</i>		6,385,323	05-07-2002	Zoels	
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<i>W</i>		6,390,971	05-21-2002	Adams et al.	
<i>W</i>		6,397,186	05-28-2002	Bush et al.	
<i>W</i>		6,421,448	07-16-2002	Arndt et al.	
<i>W</i>		6,424,721	07-23-2002	Hohn	
<i>W</i>		US2001/0036284	11-01-2001	Leber	
<i>W</i>		US2001/0049466	12-06-2001	Leysieffer et al.	
<i>W</i>		US2001/0051776	12-13-2001	Lenhardt	
<i>W</i>		US2002/0012438	01-31-2002	Leysieffer et al.	
<i>W</i>		US2002/0019668	02-14-2002	Stockert et al.	
<i>W</i>		US2002/0029070	03-07-2002	Leysieffer et al.	
<i>W</i>		US2002/0057817	05-16-2002	Darbut	
<i>W</i>		US2002/0110255	08-15-2002	Killion et al.	
<i>W</i>		US2002/0141595	10-03-2002	Jouppi	

Examiner Signature	<i>Wicklor</i>	Date Considered	03/22/04
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WEMMH/SB/08A (4/03)  
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Sheet	4	of	4	Attorney Docket Number	22010-164

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Examiner Initials*	Cite No. <sup>1</sup>	
AM		CAPON, J., "High-Resolution Frequency-Wavenumber Spectrum Analysis", <i>Proceedings of the IEEE</i> , 57(8):1408-1419 (August 1969)
M		GRIFFITHS, Lloyd J. and JIM, Charles W., "An Alternative Approach to Linearly Constrained Adaptive Beamforming", <i>Transactions on Antennas and Propagation</i> , AP-30(1):27-34 (January 1982)
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AM		KOLLMEIER, Birger; PEISSIG, Jürgen and HOHMANN, Volker, Real-time multiband dynamic compression and noise reduction for binaural hearing aids", <i>Journal of Rehabilitation Research and Development</i> , 30(1):82-94 (1993)
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M		LINK, Michael J. and BUCKLEY, Kevin M., Prewhitening for intelligibility gain in hearing aid arrays, <i>The Journal of the Acoustical Society of America</i> , 93(4)(1):2139-2145 (April 1993)
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Examiner Signature		Date Considered	
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